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Derwent Title: Powder form titanium and aluminium intermetallide production - consists of reduction of magnesium and aluminium melt by titanium tetra:chloride under argon

Original Title: RU2082561C1: METHOD FOR PRODUCING TITANIUM-ALUMINUM INTERMETALLIDE IN THE FORM OF POWDER

Assignee: TITANIUM MAGNESIUM RES INST STOCK CO Soviet institute

Inventor: BERDNIKOVA L M; GULYAKIN A I; NECHAEV N P;

Accession/Update: 1998-050427 / 199805

IPC Code: B22F 9/18 ; C22B 5/04 ;

Derwent Classes: M22; P53; M25;

Manual Codes: M22-H01(Metal powders, granulates, fibres production) , M25-A01A (General ore treatment - concentration by dry methods) , M25-G24 (Obtaining specific metals - titanium)

Derwent Abstract: (RU2082561C) The fabrication of powder-form titanium and aluminium intermetallide comprises feed of titanium tetrachloride into reduction apparatus containing magnesium-aluminium melt, with periodic evacuation of salt, separation of the resulting product, and extraction of the block of intermetallide. The reduction, to increase the aluminium concentration 2.1 to 5.7 fold, is followed by holding of the aluminium in the magnesium melt after discontinuing the tetrachloride feed, for continued reduction.
 Use - In the processing of metals soluble in liquid magnesium.
 Advantage - Product uniformity and useful yield are increased.

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Family: [PDF Patent](#) [Pub. Date](#) [Derwent Update](#) [Pages](#) [Language](#) [IPC Code](#)
 RU2082561C1 * 1997-06-27 199805 5 English B22F 9/18
 Local appls.: RU1994000044279 Filed: 1994-12-15 (94RU-0044279)

Priority Number:

Application Number	Filed	Original Title
RU1994000044279	1994-12-15	

Unlinked Registry Numbers:

1686S
 POWDER FORM TITANIUM ALUMINIUM INTERMETALLIC PRODUCE CONSIST REDUCE MAGNESIUM@ ALUMINIUM@ MELT TITANIUM TETRA CHLORIDE ARGON

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